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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/903,722	07/12/2001	Kulvir S. Bhogal	AUS920010450US1	9312

7590 09/27/2004
Frank C. Nicholas
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Evanston, IL 60201

EXAMINER

KNOWLIN, THJUAN P

ART UNIT	PAPER NUMBER
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2642

DATE MAILED: 09/27/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/903,722

Applicant(s)

BHOGAL ET AL.

Examiner

Thjuan P Knowlin

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 July 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-25 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-25 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections – 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. Claim 1-25 are rejected under 35 U.S.C. 102(b) as being anticipated by Regis et al (US 5,442,679).
2. In regards to claims 1, 13, and 25, Regis discloses a method and computer usable medium of tracking dropped calls (col. 1 lines 61-63) comprising: determining whether a call is dropped; determining dropped call characteristics if the call is dropped; and logging the dropped call characteristics (col. 12 lines 45-68).
3. In regards to claims 2 and 14, Regis discloses the method and computer usable medium, further comprising marking the dropped call, wherein a call drop function is activated (col. 12 lines 45-68).
4. In regards to claims 3, 4, 15, and 16, Regis discloses the method and computer usable medium, wherein activating the call drop function comprises selecting a menu feature (col. 11 lines 1-22 and col. 12 lines 45-68).
5. In regards to claims 5, 6, 17, and 18, Regis discloses the method and computer usable medium, wherein determining the dropped call characteristics comprise:

counting time increments in response to a call; and determining a call count based on time increments (col. 2 lines 24-31 and col. 10 lines 39-45).

6. In regards to claims 7, 9, 19, and 21, Regis discloses the method and computer usable medium, wherein the dropped call characteristics comprise a call location (col. 1 lines 13-19).

7. In regards to claims 8 and 20, Regis discloses the method and computer usable medium, wherein the dropped call characteristics comprise a battery charge strength indication (col. 9 lines 32-44).

8. In regards to claims 10 and 22, Regis discloses the method and computer usable medium, wherein the dropped call characteristics comprise a call time and a call date (col. 11-12 lines 45-16).

9. In regards to claims 11 and 23, Regis discloses the method and computer usable medium, wherein logging the dropped call characteristics comprises storing the dropped call characteristics in a memory database (Abstract and col. 12 lines 45-68).

10. In regards to claims 12 and 24, Regis discloses the method and computer usable medium, further comprising transmitting the dropped call characteristics to a provider (Abstract and col. 12 lines 45-68).

Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Tanay et al (US 6,487,414) teach a system and method for frequency planning in wireless communication networks.

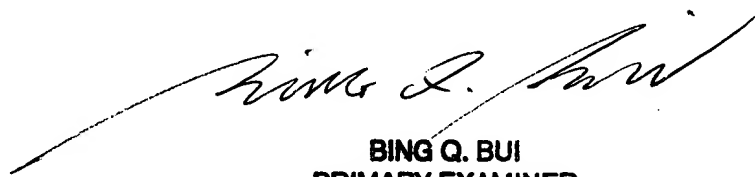
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12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thjuan P Knowlin whose telephone number is (703) 308-1727. The examiner can normally be reached on Mon-Fri 8:00-4:30pm.

13. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ahmad Matar can be reached on (703)305-4731. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

14. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thjuan P. Knowlin



BING Q. BUI
PRIMARY EXAMINER